WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS

AS OF
FEB. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and reloted data sensing devices, olong with radio telemetry are expanding and will provide a continuous record of snow water and otner parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajawea Snow Course in Bridger Mountains, Montana.

SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

USDA-SCS-PORTLAND, OREG. 1974 M7-L-220278

Report prepared by

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SOIL CONSERVATION SERVICE
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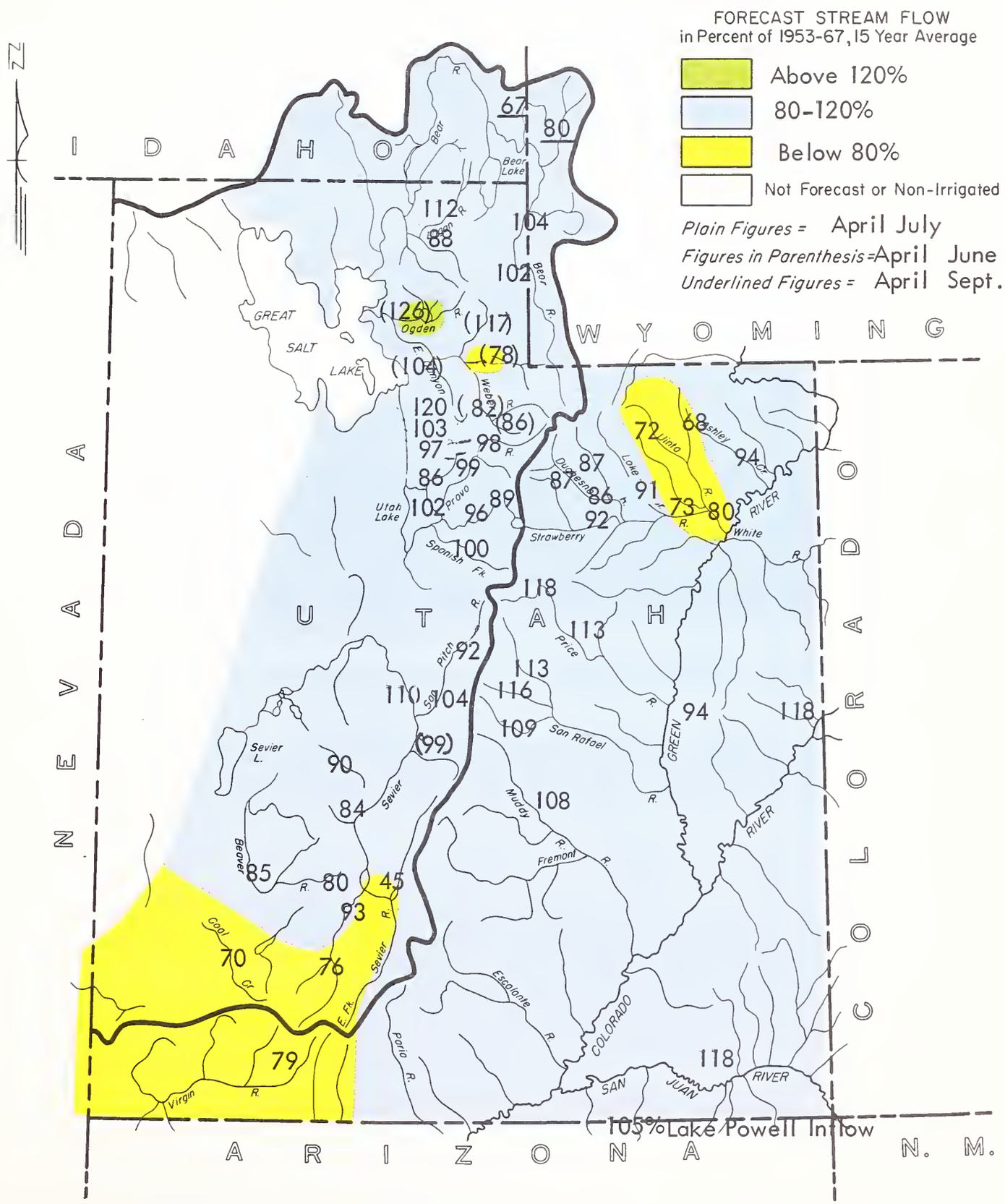
SALT LAKE CITY, UTAH 84138

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS
FORECAST STREAM FLOW % OF AUGUST
FEBRUARY 1, 1975

Approximate Date

50 0 50 100
SCALE IN MILES



WATER SUPPLY OUTLOOK

as of
FEBRUARY 1, 1975

* *
* Utah's 1975 Water Supply Outlook ranges from slightly "below *
* average" in the Uinta Basin and the southwestern corner of *
* Utah to near "average" for the remainder of the state. Snow *
* cover ranges from 70% of average on the Virgin River to 117% *
* of average on the Weber River drainage. Reservoir storage is *
* above the 15-year average and near what it was this time last *
* year. Streamflow forecasts range from 45% of average for the *
* East Fork of the Sevier near Kingston to 134% of average for *
* the South Fork of the Ogden near Huntsville. *
* *

SNOW COVER

Snow cover ranges from 20-30% below average for the Coal Creek, Parowan Creek, Virgin River and Upper Sevier River drainages to 10-20% above average for the Weber, Lower Sevier, Jordan River, and Tooele Valley drainages. All other watersheds are very close to the 15-year average for February 1.

PRECIPITATION

Precipitation at many mountain stations during January was near average. However, in southwestern Utah precipitation on the Virgin River was 75% of average, Parowan Creek was 42% of average and in the Uinta Basin precipitation ranged from 68 to 85% of average. The Lower Sevier mountain precipitation stations reported between 123 and 167% of the January average catch. The October-January accumulated amounts ranged from 65% on Parowan Creek to 120% on the Price River.

RESERVOIR STORAGE

Reservoir storage is well above average. Sevier Basin reservoirs are 147% of the February 1 average, Weber-Ogden reservoirs are 142% of the February 1 average, and Bear River Basin reservoirs are 112% of the February 1 average.

STREAMFLOW FORECASTS

Streamflow forecasts range from 20-30% or more below average in southwestern Utah on Coal Creek, Virgin River, East Fork of the Sevier near Kingston, and Sevier at Hatch, and in the Uintah Basin, Duchesne near Myton, and Uinta River to as high as 34% above average on the South Fork of the Ogden near Huntsville and 26% above average for Pineview Reservoir Inflow. Most streamflow forecasts in Utah fall between 90 and 110% of average as of February 1. Colorado River forecasts range from 89% at Flaming Gorge to 115% at Cisco and 105% for Lake Powell Inflow.

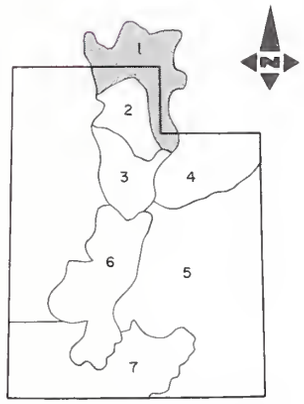
Peak flow forecasts will be issued beginning with the March 1, 1975 bulletin.

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aeriol Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION

FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 91% on the Upper Bear to 97% of average on the Lower Bear.

PRECIPITATION at Garden City Summit was 113% of the January average but only 89% of the October-January total. Salt River Summit reported 115% of the January average but was only average for the October-January period.

SOIL MOISTURE is slightly below average.

RESERVOIR STORAGE for four reservoirs in the Bear River Basin is 112% of the 15 year average but only 97% of last years storage.

STREAMFLOW FORECASTS range from 67% of average on Thomas Fork near Utah-Wyoming State Line to 180% of average on Big Creek near Randolph. Bear River forecasts range from 90% of average at Harer to 102% near Woodruff and 104% near Randolph. Logan River is forecast 112% of the April-July average for the 1958-72 period.

Report prepared by
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USDA-SCS PORTLAND, OREG. 1974 M7-0L-22027-1

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear at Harer, Idaho[1]	245	90	Apr-Sept	- -	271
Bear nr Randolph	106	104	Apr-July	162	102
Bear nr Ut-Wyo. State Line	102	91	Apr-July	126	112
Bear nr Woodruff	132	102	Apr-July	186	130
Big Crk nr Randolph, Utah	7.6	180	Apr-July		4.2b
Blacksmith Fork nr Hyrum	42	88	Apr-July	71	48
Little Bear nr Paradise	41	120	Apr-June	53	34
Logan nr Logan[1]	126	112	Apr-July	153	113
Smith's Fork nr Border, Wyo.	92	80	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo State L	21.5	67	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, Utah	15.7	102	Apr-July	20	15.4

1 - Observed flow corrected for change in storage and diversions
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	25	81	96
UPPER BEAR RIVER	6	83	91
LOWER BEAR RIVER	19	80	97
LOGAN RIVER	5	80	91

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1069.5	1096.6	944.9
	Woodruff Narrows	26.5	17.3	26.5	20.5b
LITTLE BEAR	Hyrum	15.3	10.2	10.5	9.9
	Porcupine	11.3	3.7	3.5	2.9b

+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

UNITED STATES DEPARTMENT OF AGRICULTURE
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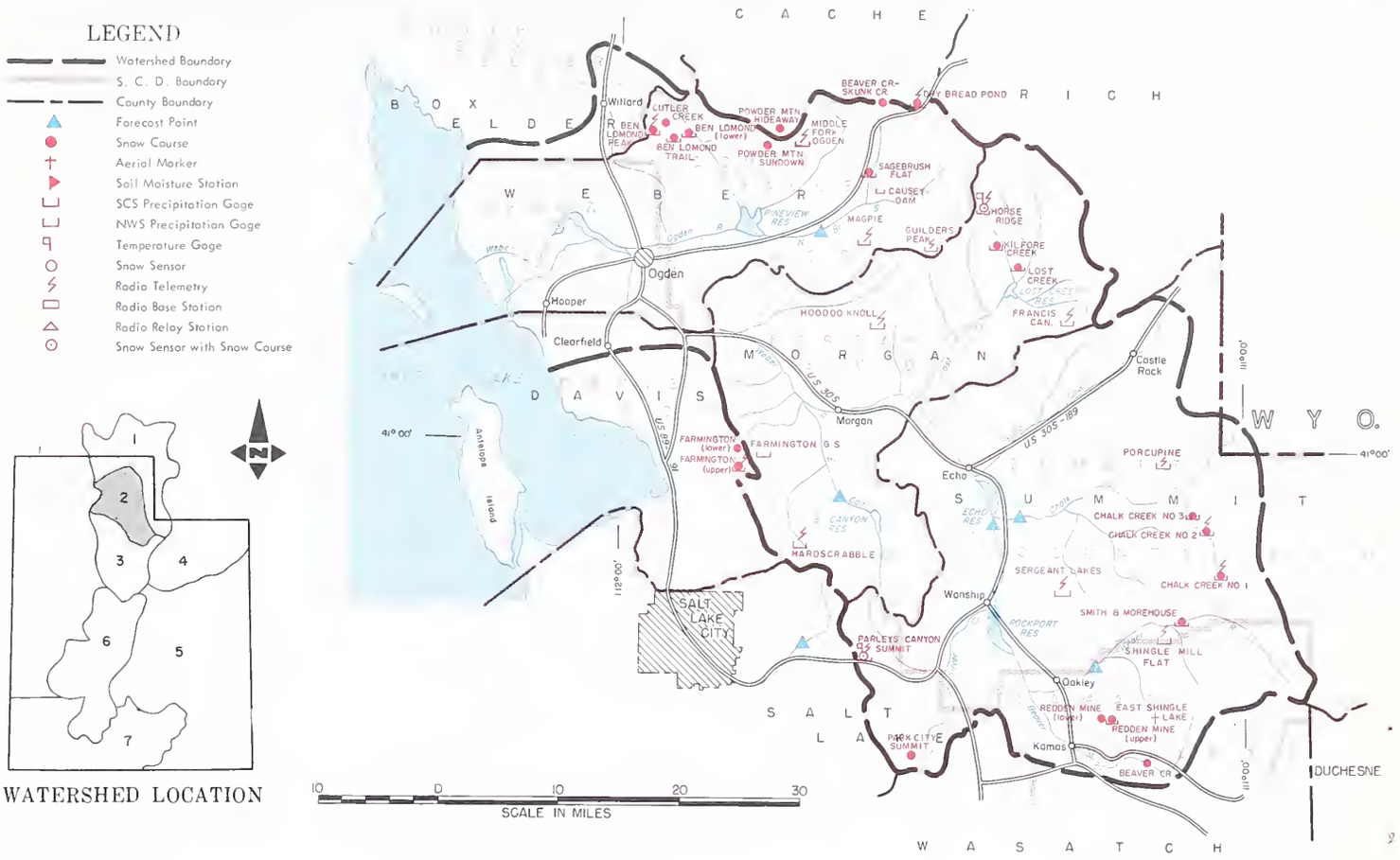
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 104% of the February 1 average on the Ogden River and 117% on the Weber River.

PRECIPITATION at mountain stations for January ranged 92% at Smith & Morehouse to 129% at Parleys Canyon Summit. The October-January total at these stations was 82% and 98% of average, respectively.

SOIL MOISTURE is near average.

RESERVOIR STORAGE on seven reservoirs is 142% of the 15-year average and 99% of last years storage on February 1.

STREAMFLOW FORECASTS range from 78% of the April-June average for Chalk Creek near Coalville to 134% of average for the South Fork of the Ogden near Huntsville. The Weber River near Coalville is forecast 82% of average and near Oakley 86% of average. Pineview Reservoir Inflow is forecast 126% of the April-June average.

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USDA-SCS PORTLAND, ORE. 1974 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Chalk Creek at Coalville	25	78	Apr-June	60	32
East Canyon Creek nr Morgan[1]	22	104	Apr-June	28	22
Hardscrabble Crk nr Portervlle	18.0	125	Apr-June	- -	14.4b
Lost Creek nr Croydon, Utah	16.0	117	Apr-June	- -	13.7
Pineview Reservoir Inflow[2]	139	126	Apr-June	165	110
South Fork Ogden nr Huntsvlle	67	134	Apr-June	62	50
Rockport Reservoir Inflow[1]	96	84	Apr-June	- -	110
Weber nr Coalville	93	82	Apr-June	- -	111
Weber nr Oakley	88	86	Apr-June	127	100
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	8.7	111	Apr-July	- -	7.8

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	77	104
WEBER RIVER	6	83	117

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
OGDEN	Causey	6.9	1.4	1.5	2.3b
	Pineview	110.1	55.0	40.3	40.1
WEBER	East Canyon	48.1	35.8	39.0	18.5
	Echo	73.9	62.2	51.6	39.1
	Lost Creek	20.0	12.6	13.8	12.4b
	Rockport	60.9	35.9	55.3	28.6
	Willard Bay	193.3	155.1	159.4	110.3b

+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
To Begin March 1, 1975		

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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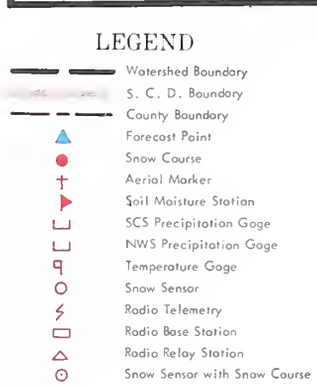
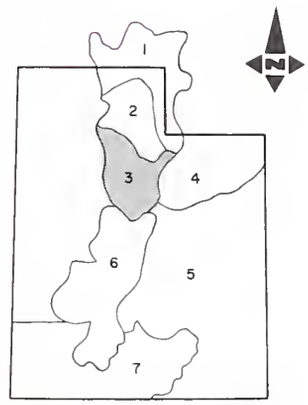
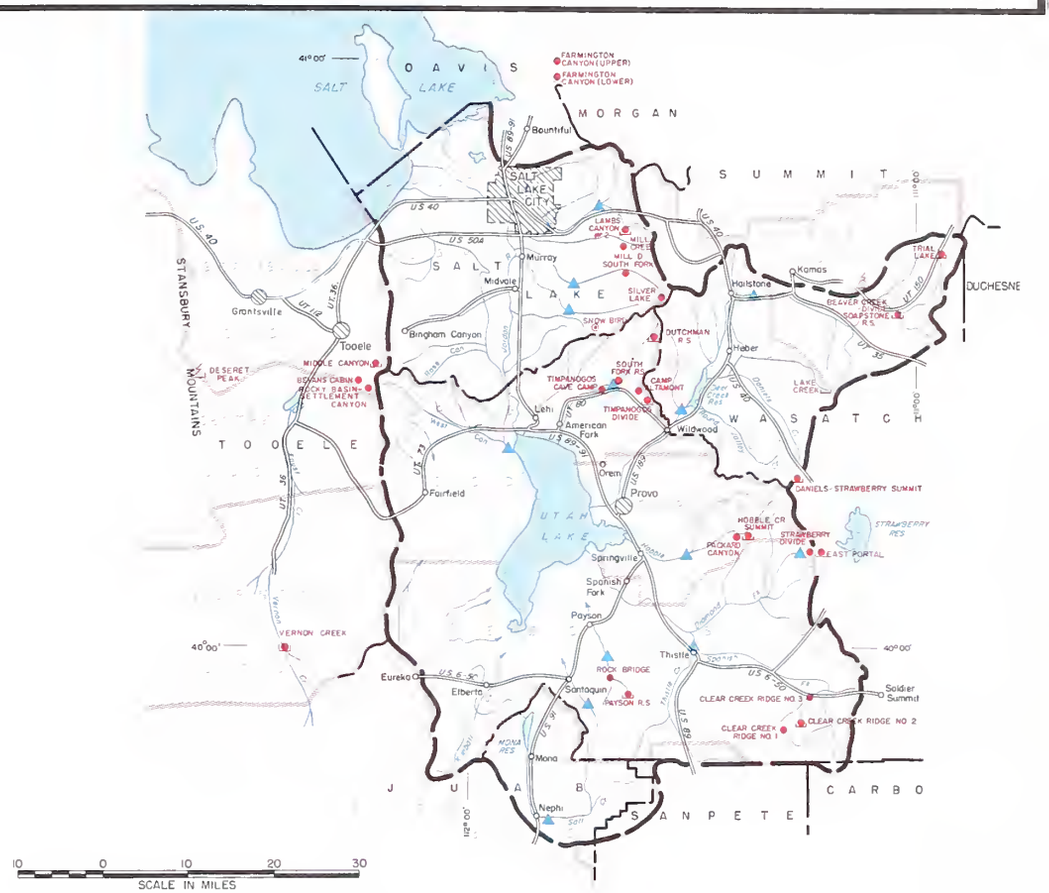
WATER SUPPLY OUTLOOK
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS





WATERSHED LOCATION



FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER on Utah Lake watersheds is 104% of the February 1 average. Jordan River tributaries above Salt Lake are 111% of average and Middle Canyon above Tooele is 125% of average.

PRECIPITATION at mountain stations during January ranged from 104% of average at Timpanogos Divide to 127% of average at Soapstone. For the October-January accumulated totals Trial Lake was only 86% of average and Timpanogos Divide was 89%.

SOIL MOISTURE is near average.

RESERVOIR STORAGE ranges from 85% of the February 1 average for Deer Creek to 182% for Strawberry Reservoir. Utah Lake is 137% of average.

STREAMFLOW FORECASTS range 86% of average on Payson Creek to 120% of average on Parleys Creek for the April-July period. Utah Lake Inflow is expected to be 102% of average and Strawberry Inflow is only 89% of its April-July average. Provo River is forecast 98% at Hailstone and 99% at Deer Creek.

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USDA-SCS-PORTLAND, OREG. 1975 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER & UTAH LAKE					
American Fork nr American Frk	25	86	Apr-July	- -	29
Hobble Creek nr Springville	15.4	96	Apr-July	- -	16
Provo nr Hailstone[1]	100	98	Apr-July	- -	102
Provo below Deer Creek Dam[1]	110	99	Apr-July	- -	111
Spanish Fork at Thistle	32	100	Apr-July	- -	32
Strawberry Reservoir Inflow[1]	40	89	Apr-July	- -	45
Utah Lake Inflow	212	102	Apr-July	- -	208
Payson Creek nr Payson	5.4	86	Apr-July	- -	6.3
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	37	103	Apr-July	- -	36
Farmington Crk nr Farmington	8.7	111	Apr-July	- -	7.8
Little Cottonwood Crk nr SLC	34	97	Apr-July	- -	35
Parley's Creek nr SLC	14.0	120	Apr-July	- -	11.7
TOOELE VALLEY					
Settlement Creek nr Tooele	2.0	91	Apr-July	- -	2.2
Vernon Creek nr Vernon	0.6	89	Apr-July	- -	0.7

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	10	81	104
JORDAN RIVER & SALT LAKE	4	80	111
TOOELE VALLEY	1	81	125

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SPANISH FORK	Strawberry	270.0	207.2	178.4	113.6
UTAH LAKE	Utah Lake	883.9	771.8	741.6	563.0
PROVO	Deer Creek	149.7	80.8	103.7	94.7

b - Average of all past record - less than 15 years
+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

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SOIL CONSERVATION SERVICE
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Salt Lake City, Utah 841138

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
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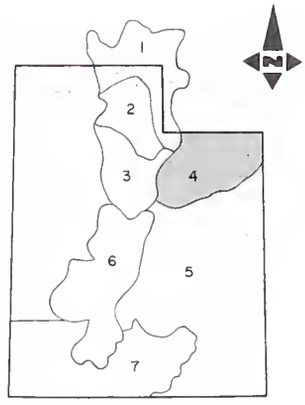
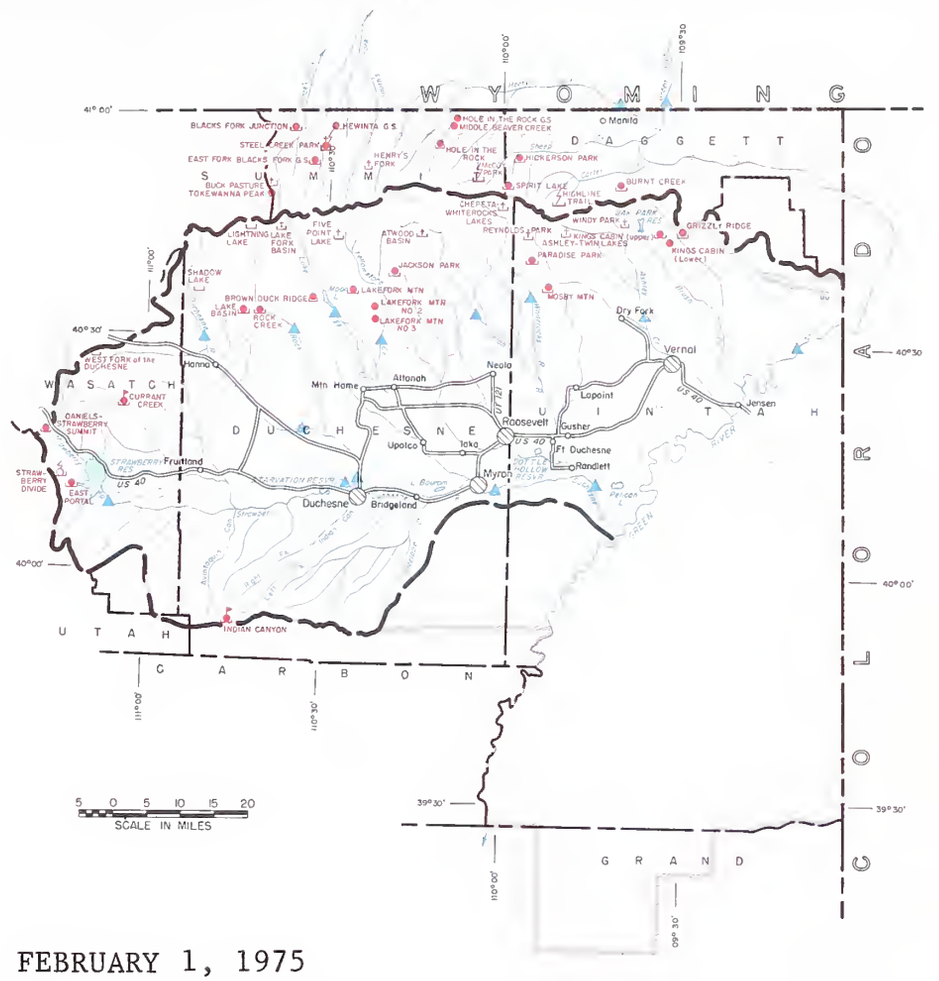
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER varies from 93% of average on the Uintah-Whiterocks Rivers to 98% on the upper Strawberry River.

PRECIPITATION at mountain stations for the October- January period ranged from 85% of average at Paradise Park to 121% at Mosby Mountain; however, the January average for these stations was 68% for Paradise Park and 81% for Mosby Mountain.

SOIL MOISTURE is below average in the Uintah Basin and slightly below average on the upper Strawberry River.

RESERVOIR STORAGE for five reservoirs is 191% of the 15-year average and about 106% of last years storage. Storage in Flaming Gorge is steadily increasing.

STREAMFLOW FORECASTS range from 68% of the April-July average on the Whiterocks River to 93% on Rock Creek. Duchesne at Randlett is forecast 80% of average and Duchesne near Tabiona is 87% of average. Flaming Gorge Inflow is expected to be 89% of the April-July average.

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USDA-SCS-PORTLAND, OREG. 1974 M7-OL-22027-A

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne nr Tabiona[1]	90	87	Apr-July	- -	104
Duchesne at Duchesne[1]	160	86	Apr-July	- -	185
Duchesne at Myton[1]	160	78	Apr-July	- -	205
Duchesne at Randlett[1]	175	80	Apr-July	- -	220
Lakefork below Moon Lake[1]	63	91	Apr-July	- -	69
Rock Creek nr Mtn. Home	87	93	Apr-July	- -	94
Strawberry at Duchesne	52	92	Apr-July	- -	56
Uinta nr Neola	63	72	Apr-July	- -	88
Whiterocks nr Whiterock	40	68	Apr-July	- -	58
Yellowstone nr Altonah	57	88	Apr-July	- -	65
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	47	94	Apr-July	- -	50
Henry's Fork at Linwood	32	75	Apr-Sept	- -	45
Flaming Gorge Inflow[1]	1030	89	Apr-July	- -	1174

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	9	91	97
LAKEFORK-YELLOWSTONE CREEKS	3	89	96
STRAWBERRY RIVER	3	76	98
UINTA - WHITEROCKS RIVERS	2	128	93

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
ASHLEY CREEK	Steinaker	33.3	16.1	25.8	19.4b
GREEN RIVER	Flaming Gorge	3749.0	3177.4	2897.6	1641.0
LAKE FORK	Moon Lake	35.8	7.2	22.6	16.3
STRAWBERRY	Starvation	165.3	79.4	146.4	- -
UINTAH	Bottle Hollow	11.3	9.5	10.8	- -

b - Average of all past record - less than 15 years
\+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

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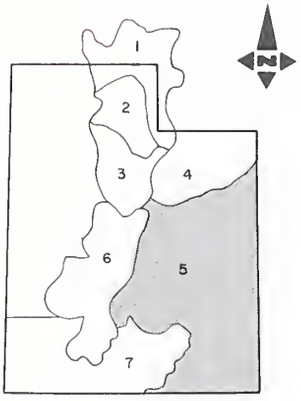
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

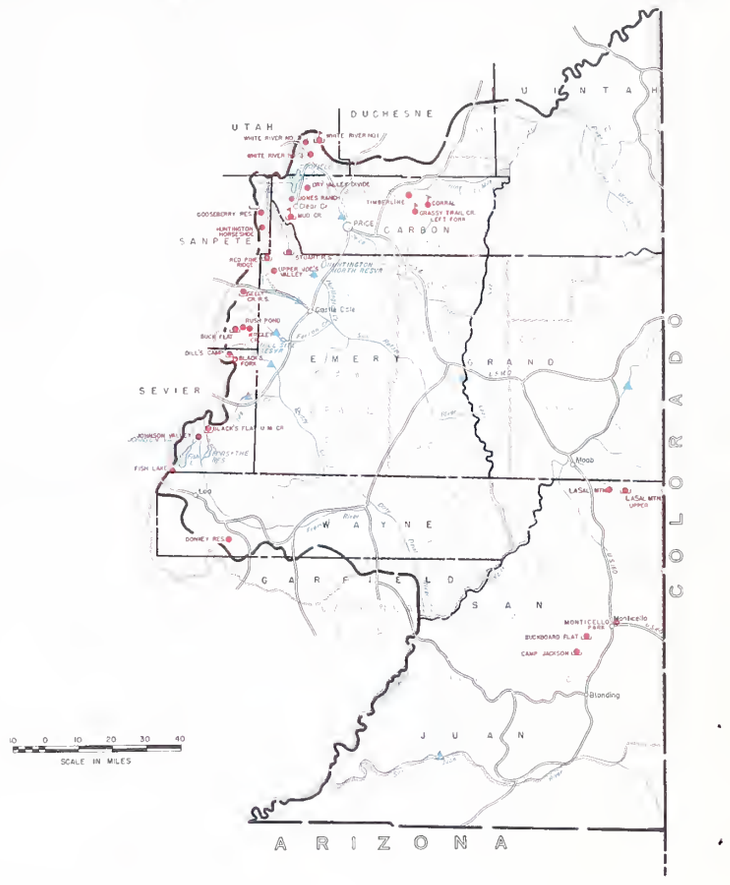
UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 100% of the February 1 average on Price River to 107% of average on San Rafael Watersheds.

PRECIPITATION at mountain stations was 138% of the January average at Mud Creek and 163% at Gooseberry Reservoir. For the October-January period, these stations were 104% and 120% of the accumulated total average respectively.

SOIL MOISTURE is near average.

RESERVOIR STORAGE for five reservoirs is right at the 15-year average but only 91% of last years storage at this time.

STREAMFLOW FORECASTS range from 94% on the Green River to 119% on Gooseberry Creek near Scofield. Price River near Heiner is forecast 113% of average. Colorado at Cisco is forecast 115% and the Muddy is forecast 108% of average.

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USDA-SCS-PORTLAND OREG. 1974 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	11.9	119	Apr-July	- -	10.0
Price nr Heiner[1]	72	113	Apr-July	- -	64b
Scofield Reservoir Inflow	40	118	Apr-July	- -	34
SAN RAFAEL RIVER					
Cottonwood Crk nr Orangeville	54	116	Apr-July	- -	46b
Ferron Creek nr Ferron	38	109	Apr-July	- -	35
Huntington Crk nr Huntington	51	113	Apr-July	- -	45
MUDDY RIVER					
Muddy Creek nr Emery	18.3	108	Apr-July	- -	17.0
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	3260	115	Apr-July	- -	2835
Green at Green River, Utah	2664	94	Apr-July	- -	2839
Navajo Reservoir Inflow	- -	- -	Apr-July	- -	597
San Juan nr Bluff, Utah	1003	118	Apr-July	- -	853
Mill Creek nr Moab			Apr-July		4.9
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	- -	- -	Apr-July	- -	6.4b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	4	69	100
SAN RAFAEL RIVER	5	72	107

1 - Observed flow corrected for change in storage and diversions

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
PRICE RIVER	Scofield	65.8	32.2	43.5	28.8
SAN RAFAEL	Huntington North	3.9	3.1	1.8	2.0b
	Joe's Valley	54.6	34.8	37.8	30.8
	Mill Site	16.7	3.1	4.5[a]	- -
SAN JUAN	Navajo	1696.0	948.6	1033.7	- -

+ - 1958-72 15-Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

LEGEND

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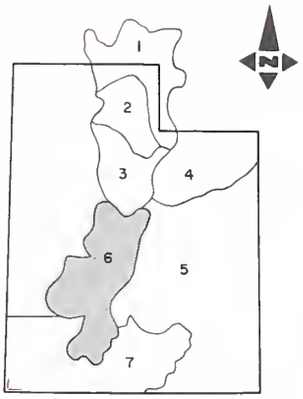
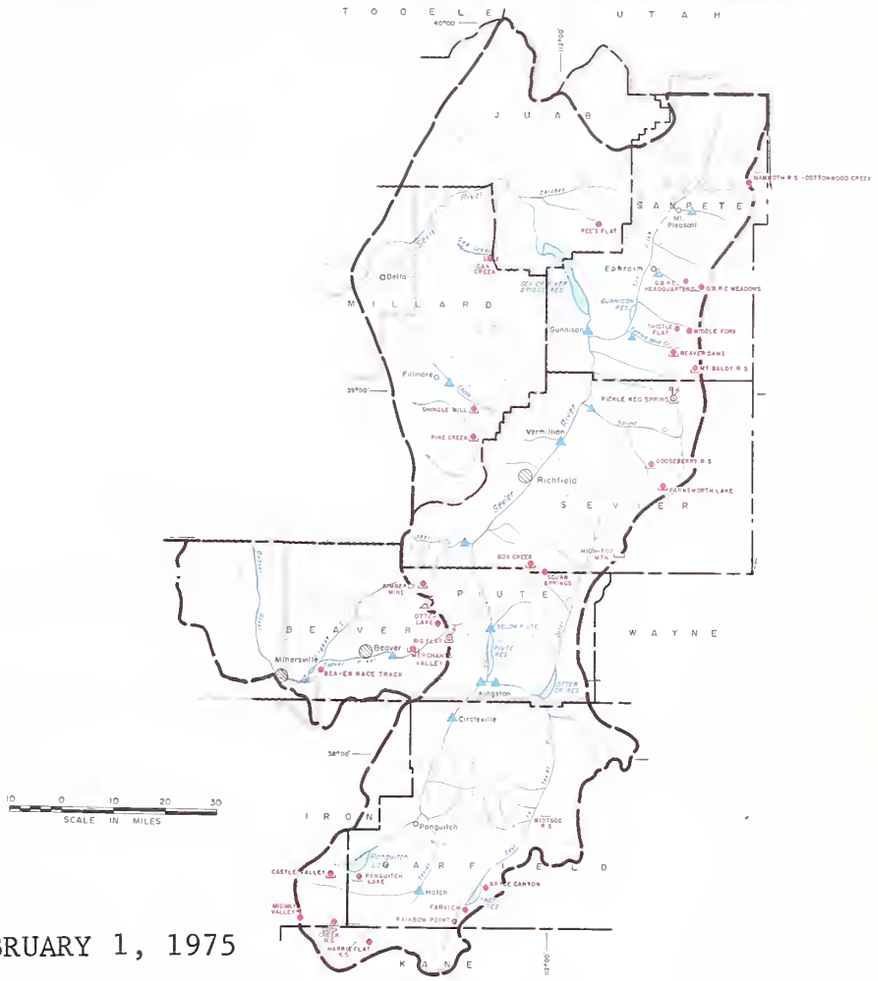


WATERSHED LOCATION



FEBRUARY 1, 1975

THE WATER SUPPLY FORECAST IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER varies from 69% of the 1958-72 average on the upper Sevier to 112% on the lower Sevier. The Beaver River drainage is 89% of average.

PRECIPITATION at mountain stations on the upper Sevier ranged from 90% at Duck Creek Ranger Station to 170% at Widtsoe Escalante #3 for the January period, but for the October-January period these stations reported 73% and 103% respectively. On the lower Sevier precipitation ranged from 123% at Shingle Mill to 137% at Mammoth R.S. for the January average but for the October-January period, these stations reported 85% and 112% of average respectively.

SOIL MOISTURE is slightly below to near average.

RESERVOIR STORAGE is well above average on the Sevier River. Sevier River storage is 147% of average but only 73% of last years storage on February 1. Minersville Reservoir is 85% of average and only 50% of last years storage.

STREAMFLOW FORECASTS ranged from 45% of average on the East Fork of the Sevier near Kingston to 110% of average for the Sevier near Gunnison. Other Sevier River forecasts are 76% of average at Hatch and 64% of average below Piute Dam. Beaver River is forecast at 85% and Chalk Creek at 90% of average.

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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Chalk Creek nr Fillmore	14.0	90	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv. Div)	12.7	84	Apr-July	- -	15.0
East Fork Sevier nr Kingston[1]	6.5	45	Apr-July	- -	14.4
Antimony Crk nr Antimony	4.5	62	Apr-July	- -	7.3
Inflow					
Kingston to Vermillion Dam	30	60	Apr-June	- -	50
Vermillion Dam to Gunnison	35	89	Mar-June	- -	39
Salina Creek at Salina	8.0	99	Apr-June	- -	8.1b
Sevier nr Circleville	26	93	Apr-July	- -	28
Sevier nr Gunnison	43	110	Apr-July	- -	39
Sevier at Hatch	31	76	Apr-July	- -	41
Sevier nr Kingston	17.0	80	Apr-July	- -	21
Sevier below Piute Dam[1]	21.0	64	Apr-July	- -	33
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	14.4	104	Apr-July	- -	13.9b
Pleasant Creek nr Mt. Pleasant	7.2	92	Apr-July	- -	7.8
BEAVER RIVER					
Beaver nr Beaver	17.0	85	Apr-July	- -	20
Minersville Reservoir Inflow[1]	- -	- -	Apr-June	- -	5.8

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER	7	61	69
East Fork Sevier	4	62	72
South Fork Sevier	3	60	67
LOWER SEVIER RIVER	5	70	112
BEAVER RIVER	3	56	89

1 - Observed flow corrected for change in storage and diversions

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	7.2	16.4	9.8
	Otter Creek	52.5	26.5	46.8	25.4
	Piute	71.8	36.8	56.2	37.2
	Sevier Bridge	236.0	157.7	193.8	83.2
BEAVER RIVER	Minersville (Rky Fd)	23.3	9.6	19.2	11.3

b - Average of all past record - less than 15 years
\+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period+	Forecast Period
SEVIER RIVER			
Below Vermillion Dam	48	55	April-Sept
Circle Valley	62	65	April-Sept
Panguitch Valley	88	82	April-Sept
Sevier Valley	38	38	April-Sept

Inflow to Sevier Bridge Reservoir - October 1 to March 31 is expected to be 75,000-90,000 acre-feet.

Below Vermillion - Flow above 360 second feet should total about 1400-1800 acre-feet.

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Crk nr Sevier-above Div.	5	July 5	July 28
Salina Crk at Salina	25	June 8	June 10
Sevier at Circleville	90	June 7	June 24
Sevier at Hatch (upper)	100	June 20	July 10

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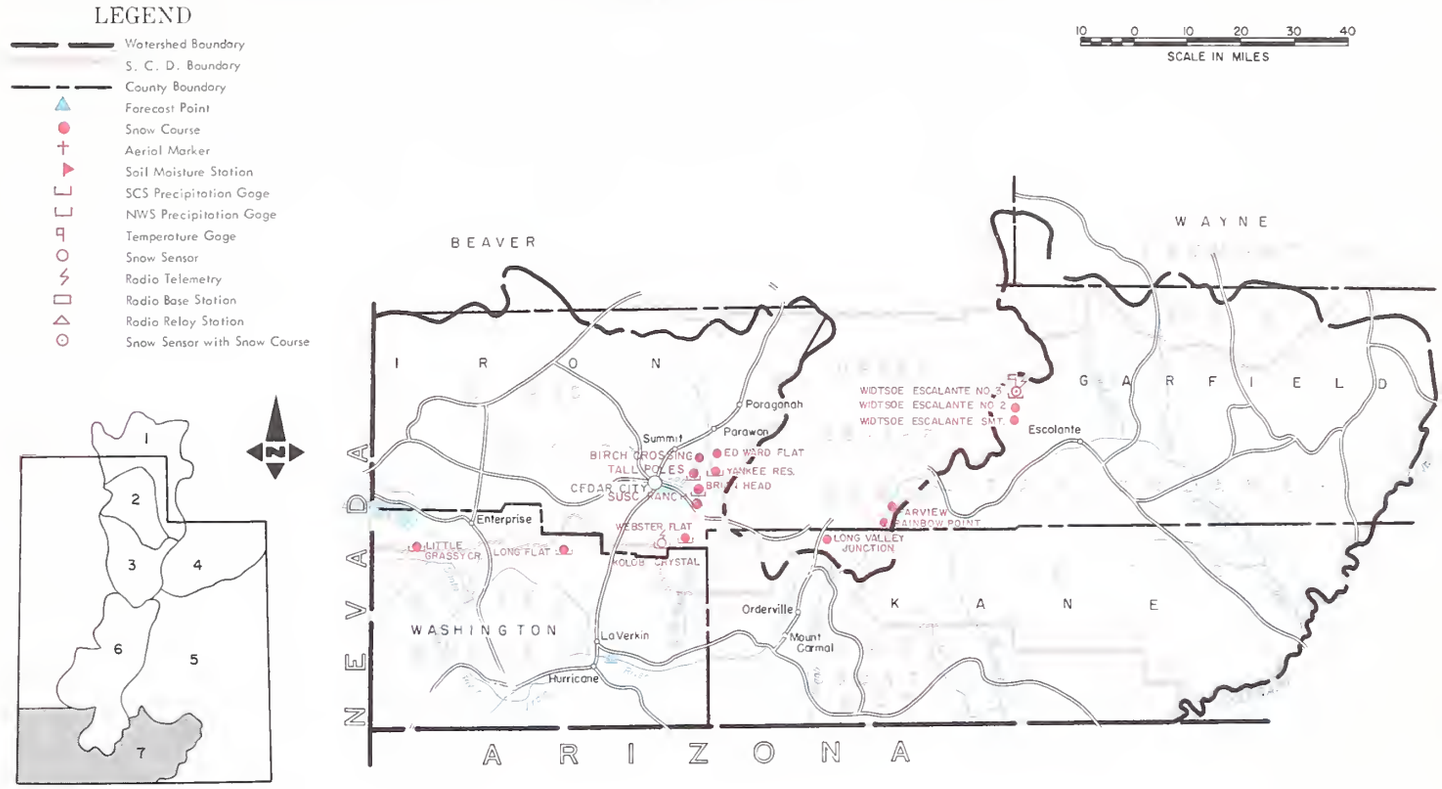
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



WATERSHED LOCATION

FEBRUARY 1, 1975

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 70% of the February 1 average on the Virgin River to 75% of average on Coal Creek.

PRECIPITATION at mountain stations ranged from 42% of the January average on Parowan Creek to 75% on Webster Flat. The October-January total at these stations was 65% and 90% of average respectively.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is 17,255,000 acre-feet in Lake Powell. Last February 1 it held 17,419,000 acre-feet and the usable storage capacity is 25,002,000 acre-feet.

STREAMFLOW FORECASTS vary from 70% of the April-July average on Coal Creek near Cedar City to 105% for the Inflow to Lake Powell. The Virgin River is forecast 79% of the April-June average for the 1958-72 period.

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USDA-SCS, PORTLAND, OREG. 1974 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
VIRGIN RIVER					
Virgin nr Virgin	38	79	Apr-June	- -	48b
COAL CREEK					
Coal Creek nr Cedar City	11.3	70	Apr-July	- -	16.1
UPPER COLORADO					
Lake Powell Inflow	7213	105	Apr-July	- -	6881

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	64	75
VIRGIN RIVER	2	51	70

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
COLORADO	Lake Powell	25002.0	17255.0	17419.0	8401b
	Blue Mesa	829.5	418.1	472.4	- -

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
To Begin March 1, 1975		

b - Average of all past record - less than 15 years
+ - 1958-72 15-Year Average Period

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SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average †	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	1/31	47	12.5	15.1	13.3a						
Burts-Miller Ranch	1/30	20	3.9	- -	- -	1/30	1.77	- -	5.72	- -	- -
CCC Camp	1/29	38	8.3	8.4	8.2						
Gold Hill*						2/4	Data Not Available				
Hayden Fork	1/30	40	10.8	- -	- -	1/30	4.75	- -	13.55	- -	- -
Kelly Ranger Station	1/31	42	9.6	14.8	11.7a	1/23	2.30	- -	- -	- -	- -
LaBarge Guard Station	1/27	70	18.5	24.0	- -						
Lily Lake*						2/4	Data Not Available				
Piney-LaBarge #2	1/27	61	15.2	15.7	15.8a						
Poison Meadows	1/27	68	17.3	22.8	20.6						
Salt River Summit	1/29	43	11.0	13.0	- -	1/29	4.35	3.77	10.80	10.81	99
Snyder Basin	1/27	46	10.9	11.5	11.3						
Stillwater Camp	1/30	32	7.2	- -	- -	1/30	2.93	- -	8.44	- -	- -
LOWER BEAR RIVER (Below Harer, Idaho)											
Christensen Ranch	1/28	24	6.7	8.7	5.9						
Clarkston Mountain*						1/23	3.20	- -	- -	- -	- -
Cub River Ranger Station	1/28	29	8.2	9.8	5.8						
Dry Basin	1/28	56	18.1	24.0	20.9						
Dry Creek Flat	1/27	23	6.7	9.0	5.3						
Emigrant Summit	1/29	50	16.5	20.9	17.0a						
Emigration Canyon	1/29	27	7.8	8.2	7.8a						
Franklin Basin*	1/28	52	17.5	- -	- -	2/4	Data Not Available - USU				
Garden City Summit	1/28	30	8.2	14.4	11.9	1/28	4.35	3.86	11.34	12.68	89
Horseshoe Basin	1/28	48	16.6	20.8	17.3a						
Klondike Narrows*	1/28	44	13.7	15.0	13.3	2/4	Data Not Available - USU				
Liberty Springs	1/28	69	22.7	30.6	22.6						
Little Bear (lower)	1/29	25	6.3	10.3	- -						
Little Bear (upper)*	1/29	29	7.7	11.6	- -	2/4	Data Not Available - USU				
Monte Cristo Ranger Station	1/29	49	15.3	19.3	17.0b	1/23	5.49	- -	17.04	- -	- -
Oxford Mountain	1/27	25	6.9	7.6	6.9a						
Slug Creek Divide	1/27	40	11.6	10.6	11.5a						
Steep Hollow #1	1/28	70	23.0	27.0	25.4b						
Steep Hollow #2	1/28	56	18.0	21.2	18.8b						
Strawberry Creek	1/29	27	7.8	10.1	7.2						
Strawberry Mink Divide	1/28	45	14.7	18.4	14.4						
Tony Grove Lake*						1/23	2.60	- -	- -	- -	- -
Tony Grove Ranger Station	1/28	30	8.3	10.5	8.8	1/23	2.00	- -	- -	- -	- -
Willow Flat	1/28	38	11.9	14.2	10.5	1/28	4.20	- -	17.36	- -	- -
OGDEN RIVER											
Beaver Creek-Skunk Creek	1/29	31	9.3	10.3	8.0						
Ben Lomond (lower)	1/29	33	9.2	15.8	10.0	1/29	5.64	5.45	16.03	16.81	95
Ben Lomond Peak*	1/29	65	21.6	- -	24.0	2/4	Data Not Available - USU				
Causey Dam						1/29	2.58	3.05	8.84	9.07	97
Cutler Creek	1/29	59	17.7	22.1	18.7b						
Deer Springs*						1/23	3.40	- -	- -	- -	- -
Dry Bread Pond	1/29	42	14.2	14.2	11.3	1/29	4.82	- -	15.41	- -	- -
Francis Canyon*						1/23	2.20	- -	- -	- -	- -
Guilders Peak*						1/23	3.20	- -	- -	- -	- -
Magpie Flat*						1/23	3.30	- -	- -	- -	- -
Middle Fork Ogden*						1/23	4.10	- -	- -	- -	- -
Sagebrush Flat	1/29	16	3.8	7.4	3.7						
WEBER RIVER											
Beaver Creek Ranger Station	1/30	25	6.1	7.8	5.7						
Chalk Creek #1	1/30	50	12.6	18.4	- -						
Chalk Creek #2*	1/30	38	8.5	11.0	8.8	1/23	2.40	- -	- -	- -	- -
Chalk Creek #3	1/30	23	5.0	7.0	5.1	1/30	2.63	- -	8.51	- -	- -
Farmington Canyon (upper)**	1/29	70	24.1	27.9	17.5b	1/31	7.20	- -	24.60	- -	- -
Farmington Canyon (lower)	1/29	61	20.2	- -	13.2b						
Farmington Guard Station						1/29	5.50	- -	23.01	- -	- -
Hardscrabble*						1/23	3.90	- -	- -	- -	- -
Horse Ridge**	1/29	47	13.9	22.7	- -	1/31	6.30	- -	- -	- -	- -
Kilfore Creek	1/29	33	9.0	- -	- -						

USDA SCS-PORTLAND OREGON 1974 M7-0-22027Y

† 1958-1972 period.

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	Average +	CURRENT INFORMATION: Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE: This Year	Average +	Percent of Average
WEBER RIVER (continued)											
Lost Creek Reservoir	1/29	16	3.5	- -	- -						
Parleys Canyon Summit	1/29	52	15.5	16.6	11.7	1/29	4.99	3.86	17.41	17.76	98
Park City Summit	1/31	70	24.6	24.5	- -						
Redden Mine (lower)	1/30	40	9.9	- -	- -						
Redden Mine (upper)	1/30	44	12.7	- -	- -	1/30	4.70	- -	15.63	- -	- -
Sargeant Lakes*						2/4	Data Not Available - USU				
Shingle Mill Flat*						1/23	4.50	- -	- -	- -	- -
Smith & Morehouse	1/24	31	8.2	10.1	8.6	1/29	2.99	3.26	9.63	11.62	82
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	1/24	34	8.6	11.5	- -						
Camp Altamont	1/30	32	9.6	9.4	9.9						
Clear Creek Ridge #1	1/28	44	12.0	15.6	- -						
Clear Creek Ridge #2	1/28	35	8.6	12.2	8.3	1/28	4.70	- -	10.10	- -	- -
Clear Creek Ridge #3	1/28	24	5.4	8.1	4.9						
Dutchman Ranger Station	1/30	43	13.5	14.6	- -	1/30	5.25	- -	15.25	- -	- -
Hobble Creek Summit	1/29	36	10.0	12.4	- -	1/29	4.40	- -	11.80	- -	- -
Packard Canyon	1/29	27	7.6	9.9	- -						
Payson Ranger Station	1/27	34	10.0	16.2	10.6	1/27	- -	- -	- -	- -	- -
Rock Bridge	1/27	28	7.9	11.8	7.3						
Soapstone	1/30	35	8.5	10.7	8.2	1/30	3.97	3.13	11.62	10.19	114
South Fork Ranger Station	1/30	26	8.8	6.8	4.2						
Timpanogos Cave Camp	1/30	13	4.2	2.6	1.7						
Timpanogos Divide	1/30	44	13.2	13.6	15.7	1/30	4.90	4.73	14.95	16.72	89
Trial Lake	1/30	54	14.0	18.8	15.5	1/30	5.35	4.85	15.52	18.11	86
JORDAN RIVER & SALT LAKE											
Deseret Peak*						1/23	3.50	- -	- -	- -	- -
Lambs Canyon	1/29	40	12.2	14.3	9.7						
Lambs Canyon #2	1/29	41	12.6	14.4	- -	1/29	4.89	- -	14.13	- -	- -
Middle Canyon - Tooele	1/29	31	10.0	12.3	8.0	1/29	1.50	- -	4.20	- -	- -
Mill Creek	1/30	46	14.7	17.8	- -						
Mill D South Fork	1/31	44	15.2	17.4	12.5						
Mt. Dell Dam						1/31	2.32	2.16	9.81	8.72	112
Silver Lake (Brighton)	1/31	48	13.3	19.0	15.4						
Vernon Creek	1/29	21	5.6	8.3	- -	1/29	2.00	- -	9.63	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Bryce Canyon	1/31	11	1.3	3.9	2.8						
Duck Creek Ranger Station	1/30	25	5.3	9.2	8.0	1/30	2.40	2.68	8.10	11.05	73
Farview	1/30	23	4.3	5.2	- -						
Harris Flat Ranger Station	1/30	9	2.3	6.5	5.0						
Kimberly Mine	1/25	25	5.8	12.9	- -						
Midway Valley	1/30	35	9.8	13.2	12.9	1/30	2.30	- -	10.00	- -	- -
Widtsoe Escalante Summit	1/30	12	2.6	5.7	4.0						
Widtsoe Escalante #2	1/30	23	4.7	5.5	5.4						
Widtsoe Escalante #3	1/30	26	5.1	6.8	6.6b	1/30	2.17	1.28	8.09	7.84	103
Widtsoe Ranger Station						1/30	.51	- -	3.36	- -	- -
LOWER SEVIER RIVER (Including San Pitch)											
Farnsworth Lake	1/29	42	11.9	17.2	10.5	1/29	3.50	2.61	10.50	10.83	96
G.B.R.C. Headquarters	1/31	39	10.0	14.4	8.8	1/31	3.10	- -	10.85	- -	- -
G.B.R.C. Majors						1/31	1.60	- -	5.47	- -	- -
G.B.R.C. Meadows	1/31	52	16.3	20.9	13.8	1/31	4.05	- -	14.23	- -	- -
G.B.R.C. Oaks						1/31	2.10	- -	7.28	- -	- -
Gooseberry Ranger Station	1/29	29	6.9	13.4	6.6	1/29	2.50	- -	7.45	- -	- -
Mammoth R. S.-Ctnwood Crk	1/30	45	13.9	17.6	12.7b	1/30	4.80	3.50b	13.05	11.59b	112
Shingle Mill	2/3	23	5.8	9.3	- -	2/3	2.25	1.83b	7.73	9.02b	85
BEAVER RIVER											
Beaver Canyon Power House						1/31	1.63	1.04	4.82	5.16	93
Beaver Race Track	1/29	2	0.2	0.0	- -						
Big Flat	1/28	37	8.2	12.9	9.8	1/28	3.24	- -	8.36	- -	- -
Merchant Valley	1/28	30	5.7	10.4	4.7	1/28	2.87	- -	7.43	- -	- -
Otter Lake	1/28	32	6.1	12.2	7.8						

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPRDX. OCT 1 TO DATE: This Year	FROM APPRDX. OCT 1 TO DATE: Average +	FROM APPRDX. OCT 1 TO DATE: Percent of Average
PAROWAN CREEK											
Birch Crossing	1/29	16	2.7	7.1	- -						
Brian Head	1/29	41	10.6	14.7	- -						
Tall Poles	1/29	32	6.3	10.6	- -	1/29	2.45	5.76a	7.95	12.22a	65
COAL CREEK											
SUSC Ranch	1/30	13	2.8	6.9	5.1a						
COLORADO RIVER BASIN											
UPPER GREEN RIVER - UTAH											
East Fork Blacks Fork G. S.	1/30	29	6.8	- -	- -	1/30	3.11	- -	8.65	- -	- -
East Fork Black Fork Jct.	1/30	26	6.1	- -	- -	1/30	2.62	- -	7.35	- -	- -
Grizzly Ridge	1/28	24	5.1	5.7	- -	1/28	2.35	2.35b	6.66	9.31b	71
Hewinta G. S.	1/30	26	5.7	- -	- -	1/30	3.09	- -	8.65	- -	- -
Highline Trail*						2/4	Data Not Available				
Steel Creek Park	1/30	43	10.1	- -	- -						
DUCHESNE RIVER											
Currant Creek	2/3	26	6.9	- -	- -	2/3	3.65	- -	9.75	- -	- -
Daniels-Strawberry Summit	1/29	33	8.5	11.6	9.6	1/29	4.08	3.08	11.57	11.21	103
East Portal	1/31	32	7.3	9.6	6.8	1/31	4.49	3.56	11.05	12.48	88
Indian Canyon	2/3	32	8.2	6.8	7.8	2/3	2.05	2.36b	8.50	9.07b	93
Lakefork Mountain	1/31	31	7.4	8.6	6.8	1/31	2.65	- -	9.92	- -	- -
Lakefork Mountain #2	1/31	21	4.9	4.7	5.0						
Lakefork Mountain #3	1/31	16	3.2	4.1	4.3						
Jackson Park	1/31	38	8.9	- -	- -						
Mosby Mountain	1/30	24	5.2	4.5	6.6	1/30	1.65	2.03a	8.70	7.18a	121
Paradise Park	1/30	30	8.4	6.1	8.0	1/30	1.65	2.42b	9.15	10.72b	85
Strawberry Divide	1/31	48	11.6	14.8	11.4						
PRICE RIVER											
Dry Valley Divide	1/30	26	6.2	8.7	6.5						
Gooseberry Reservoir	1/30	40	12.9	17.6	10.9	1/30	5.00	3.07	13.30	11.06	120
Jones Ranch	1/30	19	3.9	6.6	4.3						
Mud Creek #2	1/30	34	7.1	10.2	8.2	1/30	3.17	2.30	9.23	8.86	104
White River #1	1/29	34	7.9	- -	- -	1/29	2.05	- -	9.31	- -	- -
White River #2	1/29	26	5.9	- -	- -						
White River #3	1/29	24	5.8	- -	- -						
SAN RAFAEL RIVER											
Buck Flat	1/28	39	10.4	14.8	9.2b	1/28	4.15	- -	13.00	- -	- -
Orange Olson	1/31	8	1.6	4.5	- -	1/31	1.45	- -	6.20	- -	- -
Red Pine Ridge	1/31	43	10.8	14.4	9.8b						
Rush Pond	1/28	38	8.8	11.8	8.2b						
Upper Joe's Valley	1/31	30	6.7	9.6	5.7b						
Wrigley Creek	1/28	29	5.9	8.1	6.6						
VIRGIN RIVER											
Long Valley Junction	1/30	4	0.4	4.6	2.6						
Webster Flat	1/30	30	8.2	12.0	9.6	1/30	2.45	3.25	10.65	11.75	90

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 Average
* - USU-SCS Cooperative Reading
** - SCS Radio Reading

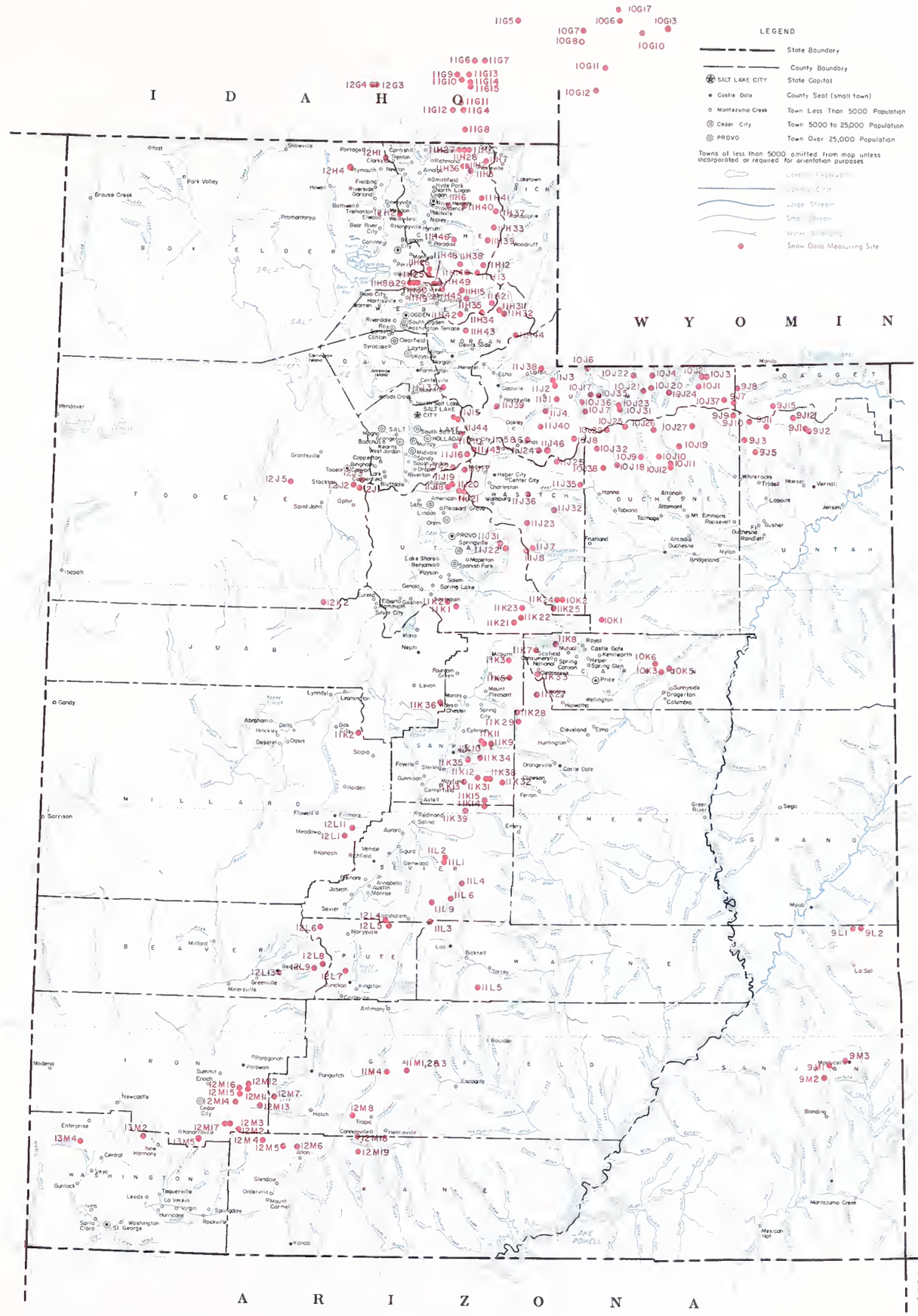
USDA-SCS-PORTLAND OREGON 1974 M7-0-22027Y

+ 1958-1972 period.

U.S. DEPARTMENT OF AGRICULTURE

UTAH

SOIL CONSERVATION SERVICE



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1975

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1 : 1,500,000

ALBERS EQUAL AREA PROJECTION

USDA-SCS PORTLAND OREGON 1974 M7-OL-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP.	RGE.	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnaman Creek	5	8N	3E	7,300
12H1p	U	Clorkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MP	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Gorden City Summit	34 & 35	14N	4E	7,600
13H4SP	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Norrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Beor (upper)	22	8N	1E	6,550
11H6	U	Mt. Logon	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ronger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8P	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Cholk Creek #3	7	2N	8E	7,500
11J12P	U	Formington Canyon (lower)	14	3N	1E	6,950
11J11PS	U	Formington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Conyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PT	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfore Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Pork City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altomont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packord Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cove Comp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46Sp	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevon's Cobin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Conyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2P	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Forview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dom	27	19S	3E	8,000
11L1P	U	Fornsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PS	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Volley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Word Flat	17	35S	9W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ronch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Block's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Block's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	IN	11E	9,700
9J14P	U	Bumt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinto G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Pork	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cobin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	IN	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Pork	17	2N	13E	9,900
10J31P	U	Tokewonna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27op	U	Atwood Basin	21	1S	15E	10,250
10J9P	U	Brown Duck Ridge	2	2N	6W	10,300
9J9op	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Doniels-Strowberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25o	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Poradise Pork	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Volley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Troil Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31P	U	Buck Flat	23	19S	4E	9,400
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Volley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Block's Fork	34	20S	4E	9,200
11K15P	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Block's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Volley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Pork	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escolante Summit	22	34S	1W	9,500
11M2PT	U	Widtsoe-Escolante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PS	U	Kolob-Crystol	2	38S	11W	9,250
12M6	U	Long Volley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station.
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage.
10J7a	Aerial Marker Only.
10J7o	Storage Precioitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.

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Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
- Soil Conservation Service
- Forest Service

U.S. Department of Commerce
- NOAA, National Weather Service

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey
- National Park Service

STATE AGENCIES

Utah State University

Utah Fish and Game Department

Utah State Department of Natural Resources, Division of Water Rights
- Bear River Commissioner
- Price River Commissioner
- Provo River Commissioner
- Sevier River Commissioners
- Spanish Fork River Commissioner
- Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti

Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association

Board of Canal Presidents - Jordan River

Emery Canal and Reservoir Company

Moon Lake Water Users Association

Ogden River Water Users Association

Provo River Water Users Association

Strawberry Water Users Association

Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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SOIL CONSERVATION SERVICE
FEDERAL BLDG., – ROOM 4012
125 SOUTH STATE ST.
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